

**Notice of Allowability**

Application No.

09/935,602

Examiner

Andrew T Sever

Applicant(s)

MENG-SUEN, HUANG

Art Unit

2851

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/10/2003.
2. ☒ The allowed claim(s) is/are 1,5-7,9-15 and 18-20.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
- (b) ☒ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
- (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- 1 ☒ Notice of References Cited (PTO-892)
- 3 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 5 ☐ Information Disclosure Statements (PTO-1449), Paper No. \_\_\_\_\_.
- 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 2 ☐ Notice of Informal Patent Application (PTO-152)
- 4 ☒ Interview Summary (PTO-413), Paper No. \_\_\_\_\_.
- 6 ☒ Examiner's Amendment/Comment
- 8 ☒ Examiner's Statement of Reasons for Allowance
- 9 ☐ Other

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Justin Oliver on July 2, 2003.

The application has been amended as follows:

Please amend claim 11 to be dependent on claim 1 instead of canceled claim 3. Claim 11 should now read as:

11. An image projector according to Claim 1, wherein said periscope further comprises a first mirror, a second mirror, and a second aperture.

### DETAILED ACTION

#### *Drawings*

1. The proposed drawing correction and/or the proposed substitute sheets of drawings, filed on June 10, 2003 have been approved. **A proper drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The correction to the drawings will not be held in abeyance.**

***Allowable Subject Matter***

2. Claims 1-20 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Applicant has amended independent claims 1 and 14 to claim that the film assembly, with the periscope, the plurality of rollers, and the motor mounted thereon which is slidably secured to the lens, move on a track. The prior art of Hicks combined with the well known technique of adjusting focus by changing the distance between the lens and the film assembly does not teach moving the film assembly along with the motor on a track. Since the track coupled with the other limitations of claims 1 and 14 were not found in the prior art claims 1 and 14 are allowed. Claims 5-7, 9-13, 15, 18, and 19 are dependent on claims 1 and 14 and are therefore also allowed.

Claim 20 was previously indicated allowable for the following reasons: Claim 20 claims a supporting means for supporting the mounting means, light path shifting means and the scrolling means. Said supporting means is slidably secured to the lens for performing focusing. Further the supporting means can be removed from the housing to interchange films. Although much of the claim is taught by Hicks in view of Holloway as explained in paragraph 3 of paper number 8 mailed on 9/24/2002. Hicks in view of Holloway do not teach a supporting means that is slidably secured to the lens for performing focusing. Further this feature was not found in other prior art references.

Although changing the distance between the projection lens and the film/media having light shown through it for purposes of adjusting focus is well known such as in the case of the common overhead projector such as the one taught by Kyhl et al. (US 5,374,969), the prior art does not teach moving the mounting means, light path shifting

means, and scrolling means. Since those parts which are moved by the claimed supporting means are far more complex than moving the simple projection lens and light path shifting means of an overhead projector, it would not be obvious to combine the teachings of an overhead projector with that of Hicks in view of Holloway. Therefore claim 20 is allowed.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew T Scver whose telephone number is 703-305-4036. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russell Adams can be reached on 703-308-2847. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9318 for regular communications and 703-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

AS  
July 2, 2003

  
RUSSELL ADAMS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800